

GILA RIVER BASIN

09483200 AGUA CALIENTE WASH TRIBUTARY NEAR TUCSON, AZ

LOCATION.--Lat 32°16'07", long 110°44'15", SW¹/₄SW¹/₄ sec.29, T.13 S., R.16 E., Pima County, Hydrologic Unit 15050302, at Soldier Trail, 1.4 mi north of Tanque Verde Road, and 5 mi northeast of Tucson City Limits.

DRAINAGE AREA.--2.04 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1965	08-00-65	86		1973	10-00-72	210	
1966	07-19-66	217		1974	07-07-74	10	LT
1967	08-00-67	57		1975	07-25-75	25	
1968	10-03-67	44		1976	07-17-76	175	
1969	08-00-69	69		1977	00-00-77	240	
1970	03-02-70	64		1978	10-06-77	70	
1971	08-19-71	430		1979	08-12-79	48	
1972	08-00-72	430		1980	08-13-80	76	

Magnitude and probability of instantaneous peak flow based on period of record 1965-80

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
98.9	208	309	470	619	793
Weighted skew	(logs) =	0.05			
Mean	(logs) =	2.00			
Standard dev.	(logs) =	0.38			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
368	4.6	3,300	7.8	1.0	14.0	1.9	4.1

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